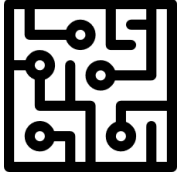


# Occupational Studies

## Engineering and Engineering services



Occupational studies is a Level 2 qualification that is an equivalent to a GCSE.

It is a vocational course that allows students to develop skills and understanding of a career in the chosen area as well as developing manufacturing and practical skills that can be transferred across many trade and engineering disciplines.

### Units studied in Occupational studies:

**Electronic Circuit Construction** - completed in Year 11 - portfolio and practical work - 50% of GCSE

#### Topics covered:

- Knowledge and understanding of electronic components, tools, processes and equipment
- Health and safety in electronics
- Careers in electronics
- Drawing and developing circuits and creating printed circuit boards
- Building and testing electronic circuits using a range of components
- Evaluating and reflecting on learning throughout electronic projects

**Plumbing** - completed in Year 12 - portfolio and practical work - 50% of GCSE

#### Topics covered:

- Knowledge and understanding of plumbing fittings tools, processes and equipment
- Health and safety in plumbing
- Careers in plumbing
- Understanding working drawings
- Using metal and plastic to create pipe fittings
- Cutting to size, soldering, brazing, threading and pressure testing pipe systems
- Evaluating and reflecting on learning throughout project

### Students considering this course should:

- Enjoy making their own products.
- Enjoy IT graphical communications.
- Use IT tools to record, process, and present information.